

IN THE SPECIFICATION

Please replace the paragraph beginning on page 1, line 6, with the following replacement paragraph:

The present invention is related to the invention described in U.S. Patent Application ~~Attorney Docket Kumar 1-1~~ Serial No. 10/620,258, entitled “Traffic Generator with Enhanced Burst Modeling Feature,” which is filed concurrently herewith and incorporated by reference herein.

Please replace the paragraph beginning on page 3, line 21, with the following replacement paragraph:

A traffic generator in accordance with the invention overcomes one or more of the problems associated with the conventional traffic generators described above. For example, in the illustrative embodiment the traffic generator allows users to combine protocols, packet size and packet arrival time distribution models, parameter sequences and other features to generate a wide variety of user-customizable real-life traffic scenarios in a particularly efficient manner.

Please replace the paragraph beginning on page 4, line 22, with the following replacement paragraph:

The traffic manager 102 manages the traffic generation functions of the traffic generator 100, and includes, in this embodiment, a timestamp generator 110, a timestamp manager 112, a protocol data unit (PDU) generator 114, a traffic supplier 116, and an event subsystem and/or forwarder 118. Generated traffic patterns, parameters and other traffic-related information are stored in the traffic file memory 104. Traffic generated by the traffic generator 100 under the control of the traffic manager 102 may be delivered via output interface bus 106 to one or more devices.

Please replace the paragraph beginning on page 8, line 10, with the following replacement paragraph:

Additional details regarding the compensatory burst model and other exemplary traffic models utilizable in the traffic generator 100 may be found in the above-cited U.S. Patent Application ~~Attorney Docket Kumar 1-1~~ Serial No. 10/620,258.

Please replace the paragraph beginning on page 10, line 12, with the following replacement paragraph:

As indicated previously, the traffic generator in a first phase of operation generates a timestamp table, and in a second phase of operation utilizes the timestamp table to generate the packets associated with the desired data traffic. The creation of the timestamp table in the first phase is implemented by the timestamp generator 110 and timestamp manager 112, utilizing the models ~~402~~ 120, 122 and 124 and the configurable elements 126, including pattern generator 130 and sequencer 132. The generation of the packets based on the timestamp table is carried out using the PDU generator 114 operating in conjunction with the traffic supplier 116 and the event/subsystem forwarder 118.